

Biology Bellringer

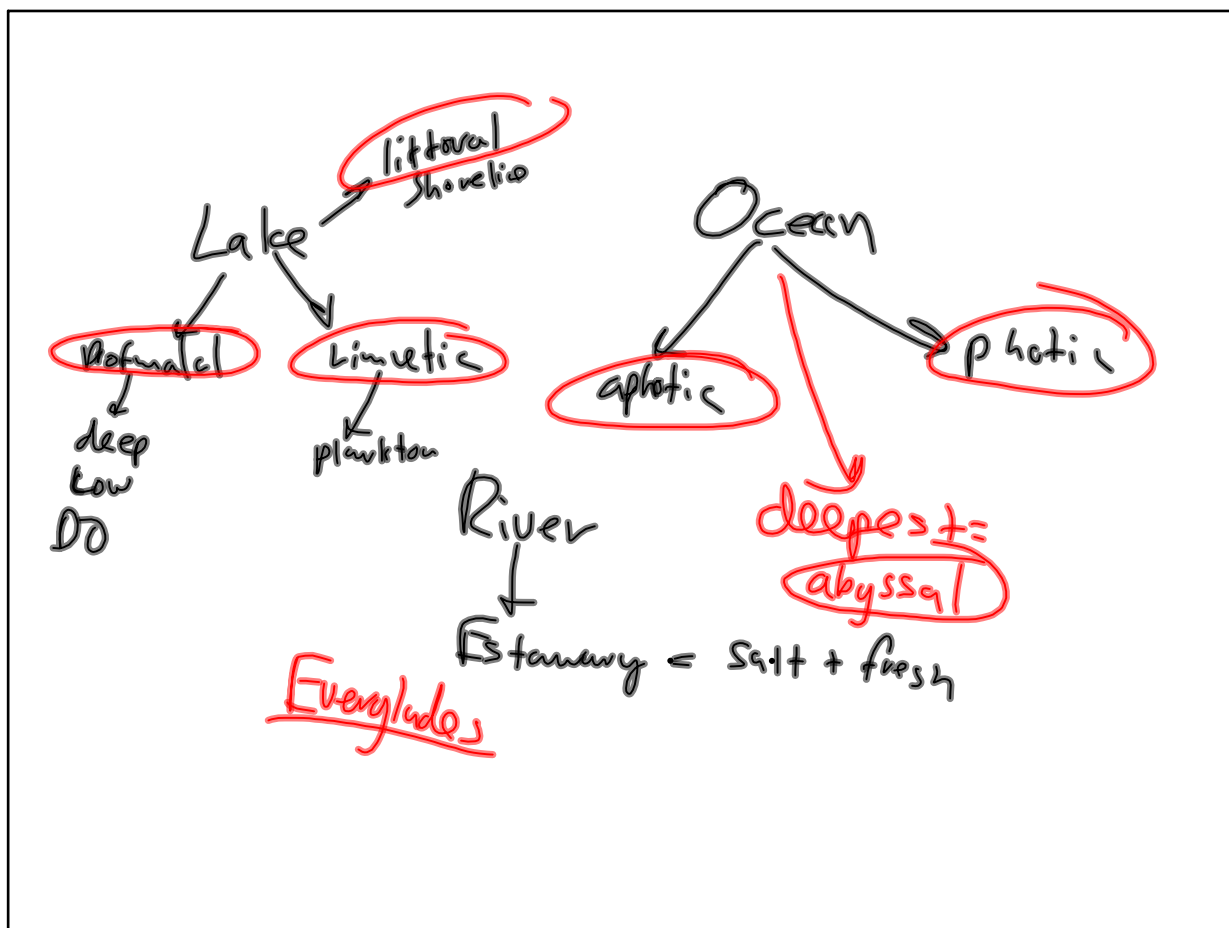
- ☆ How do populations change?
- ☆ What environmental factors can cause population change?

Sep 29-5:00 PM

4.1 Review

Grade: 10th
Subject: Biology
Date:

Sep 29-4:46 PM



Oct 8-2:36 PM

1 _____ is the number of organisms per unit of area.

population density

Sep 29-4:48 PM

2 The pattern of spacing of a population within an area is known as _____.

dispersion

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Sep 29-4:48 PM

3 No population, including the human population, occupies all habitats in the biosphere.

True

False

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Sep 29-4:49 PM

4 Density-independent factors include natural phenomena like extreme weather events.

True

False

Sep 29-4:50 PM

5 Density-dependent factors are mostly abiotic in nature.

True

False

Sep 29-4:51 PM

6 Disease, competition, and parasites are all examples of _____ factors that effect population density.

density dependent

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Sep 29-4:52 PM

7 Population growth rate (PGR) explains how fast a population grows.

True

False

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Sep 29-4:53 PM

8 A J-shaped curve is characteristic of exponential growth in a population. An example of an organisms that performs this type of growth would be Bacteria.

True

False

Sep 29-4:55 PM

9 The _____ growth model is characterized by an S-shaped curve.



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- 10 The maximum number of individuals in a species that an environment can support long term is known as the

carrying capacity.

Sep 29-4:57 PM

- 11 r-strategists usually have short life spans and produce many offspring. Locusts would be an example.

Sep 29-4:59 PM

12 K-strategists are usually controlled by density-dependent factors. Also, they produce few offspring and invest more energy in to caring for the young.

Sep 29-5:00 PM

Oct 1-2:57 PM